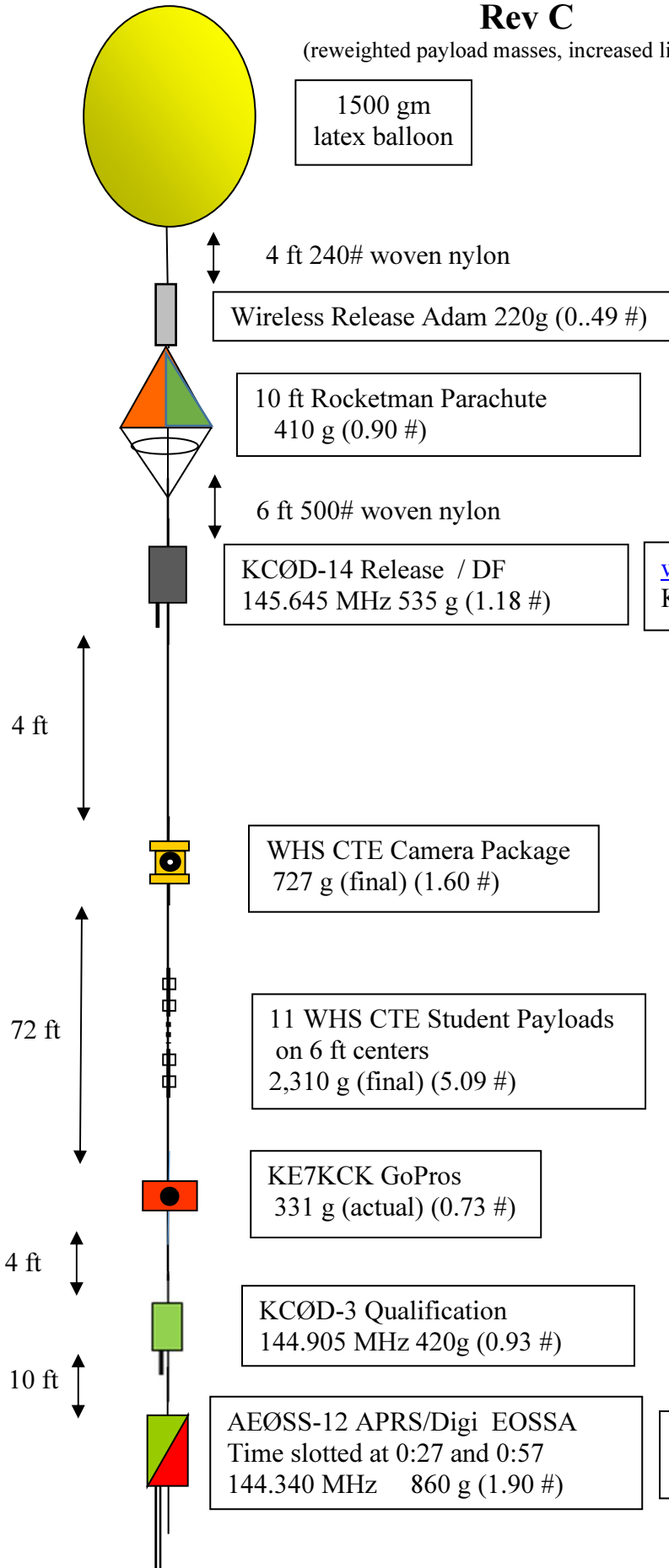


# Payload Plan

# EOSS-306 Lite Rev C

0830 MWT, 16 Jan 2021  
Deer Trail, CO

(reweighted payload masses, increased lift factor)



1500 gm  
latex balloon

4 ft 240# woven nylon

Wireless Release Adam 220g (0.49 #)

10 ft Rocketman Parachute  
410 g (0.90 #)

6 ft 500# woven nylon

KCØD-14 Release / DF  
145.645 MHz 535 g (1.18 #)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
KCØD-14 / EOSS-306

WHS CTE Camera Package  
727 g (final) (1.60 #)

11 WHS CTE Student Payloads  
on 6 ft centers  
2,310 g (final) (5.09 #)

KE7KCK GoPros  
331 g (actual) (0.73 #)

KCØD-3 Qualification  
144.905 MHz 420g (0.93 #)

AEØSS-12 APRS/Digi EOSSA  
Time slotted at 0:27 and 0:57  
144.340 MHz 860 g (1.90 #)

[www.wxqa.com/sss/balon1.cgi](http://www.wxqa.com/sss/balon1.cgi)  
AEØSS-12 / EOSS-306

Item	Weight pounds	Weight kg
Student Experiments	6.70	3.037
EOSS Payloads	4.73	2.146
Parachute	1.39	0.630
Neck load	12.82	5.813
Balloon	3.31	1.500
Gross Weight	16.12	7.313
Gross Lift Factor	1.30	1.30
Neck Lift	17.65	8.005
H2 fill; scf (approx)	283	
Burst Altitude; kft km	93.2	28.4